CHAINWAY ®

C70E
Mobile Computer

Chainway C70E is an Android rugged mobile computer. With its powerful quad-core processor and wireless connections such as 4G, Bluetooth and Wi-Fi, as well as comprehensive data capture options, including iris recognition, barcoding and HF RFID/NFC, you can find this easy-to-deploy device an exceptionally valuable helper to increase working efficiency and productivity. C70E with abundant functions can best satisfy your different industrial needs.

Most Powerful Application Performance
Chainway C70E prides itself on fluent Android 6.0 OS, powerful quad-core processor, together with 2GB of RAM, 16GB of ROM, plus a SD card slot that can add up to 32GB expansion.

4G LTE — Faster Connectivity
With a variety of options including 4G, Wi-Fi and Bluetooth, C70E will never interrupt your work either indoors or outdoors with fast and stable network connectivity.

Multiple Data Capture Options
C70E delivers unprecedented efficiency and accuracy in collecting data as it can be integrated with class-leading 1D/2D barcode scanning head, and optional HF RFID/NFC.

Rugged and Compact
C70E is highly rugged, compact and durable. With IP68 water and dust proof capability, workers can still expect reliable performance if they drop it to the concrete carelessly, use it in dusty areas, or even get it wet.

Accurate Biometric Authentication
Iris module also helps ascertain identity quickly by scanning iris of an individual's eyes. It can match out-of-focus, misaligned, occluded eyes and images with motion-blur and pupil dilation.

Large Screen & Powerful Battery
C70E adopts 5.2 inch high-resolution IPS screen. Its capacitive touch panel supports operation with wet hands or gloves. The battery (no less than 5000mAh) allows a full working day's non-stop operation.

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| 1D Barcode | 2D Barcode | IRIS | RFID | NFC | 4G | WiFi | Bluetooth | GPS | Camera |

Physical Characteristics

Dimensions	164.2*78.8*17mm/6.46*3.10*0.67in
Weight	<260g/9.17oz
Display	5.2" IPS FHD 1920x1080P
Touch Panel	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
Power	Main battery: Li-ion, rechargeable, ≥5000mAh
Expansion Slot	2 PSAM slots at most, 1 slot for SIM card, 1 slot for SIM or TF card
Interfaces	USB
Audio	speaker, 2 microphones
Keypad	4 front buttons, 1 side button, 2 scan keys, 1 multifunctional key
Sensors	Gravity sensor, Light Sensor, Proximity Sensor, Vibration Motor

Performance

CPU	Cortex-A53 Quad-core 1.3GHz
RAM+ROM	2GB+16GB
Expansion	Supports up to 32 GB Micro SD card

Developing Environment

Operating System	Android 6.0
SDK	Chainway Software Development Kit
Language	Java
Tool	Eclipse / Android Studio

User Environment

Operating Temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-4°F to 158°F / -20°C to 70°C
Humidity	5%RH - 95%RH non condensing
Drop Specification	Multiple 1.8m/5.9ft drops to the concrete
Sealing	IP68

Communication

WLAN	IEEE802.11 a/b/g/n	
WWAN(Europe)	**2G:**	B2, B3, B8, B5
	3G:	B1, B2, B5, B8
	4G:	B1, B3, B5, B7, B20, B40
WWAN(America)	**2G:**	B2, B3, B8, B5
	3G:	B2, B4, B5, B8
	4G:	B2, B4, B7, B17

WWAN (China)	**2G:**	B3, B8
	3G:	B1, B8, B34, B39
	4G:	B1, B3, B5, B38, B39, B40, B41
WWAN (Others)	Depending on the country's ISP	
Bluetooth	Bluetooth 4.0, BLE	
GNSS	GPS, GLONASS, BeiDou	

Data Collection

Camera

Camera	13MP autofocus camera with flash

Barcode Scanning (optional)

1D Linear Scanner	N4313
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, Codabar, MSI, RSS, etc.
2D Imager Scanner	N6603/SE4710/SE4750MR, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc.

RFID (optional)

HF

Frequency	13.56MHz
Protocol	ISO14443A/B, ISO15693
Chips	M1 card (S50/S70), M0 (Ultralight),
	M3 (Desfire D40/D41/D81), CPU_A card
	CPU_B card
	ICODE II, TI2048, LRI64K
	Others for customization
Range	3-8cm

Iris (optional)

Rate	<150ms
Range	20-40cm
FAR	1/10000000

NFC (optional)

Frequency	13.56MHz
Protocol	ISO/IEC 18092 (ECMA 340)
	ISO/IEC 21481 (ECMA 352)
Range	2-4cm

Notice: Product specifications are subject to change without notice. / Version: C70E V1.2.3 / Update Date: 2017-06-22